**HIKVISION**®

# CREATING
# SMART CRITICAL
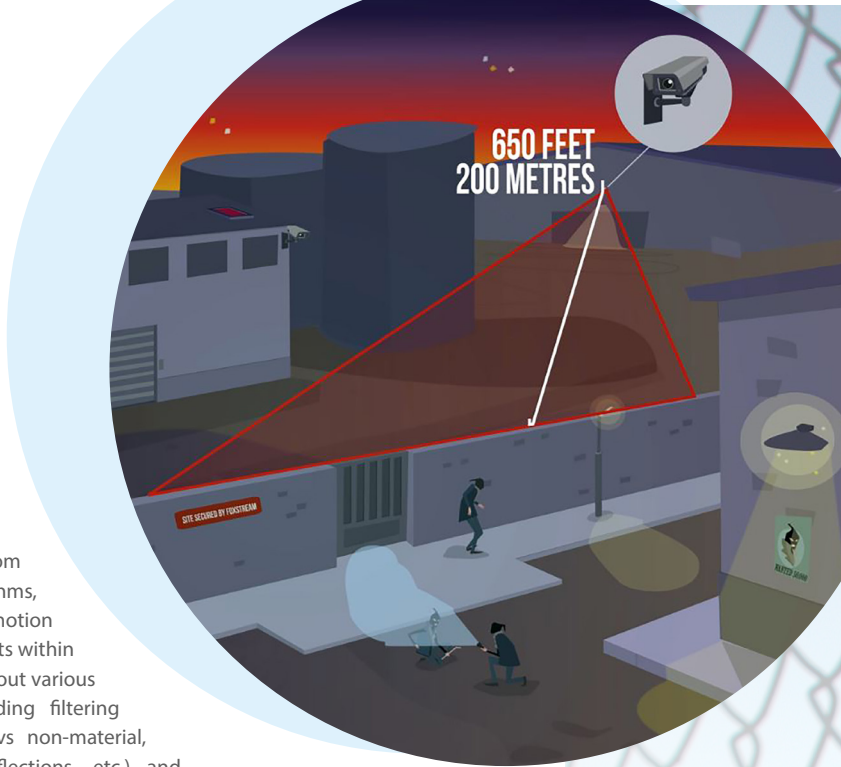# INFRASTRUCTURES SOLUTIONS TOGETHER

FOXSTREAM

SMART VIDEO ANALYTICS

**Enhancing outdoor detection**
Premium intrusion detection minimizing false
alarms at critical infrastructure sites

650 FEET
200 METRES

Large and complex sites, like those in the utility and energy sector, have a number of common security challenges. One of these is the sheer amount of systems security personnel need to keep an eye in a security center. Foxstream solutions benefit from complex detection algorithms, different from simple motion detection. They search for objects within the image. The software carries out various functions in real time, including filtering & classification (real objects vs non-material, outsize objects: shadows, reflections, etc.) and ultimately triggering of an alarm when an object matches detection criteria (zone, size, trajectory, etc.)

This allows an operator to immediately identify the source of the event without wasting time. Time is the most critical factor when it comes to initiate an intervention and to apprehend the culprits. This is why real-time and automatic transmission are key objectives in Foxstream's development as it facilitates the work of monitoring agents and security personnel.

Foxstream's Premium Quality Analytics are useful for Hikvision users as they are complementary to Hikvision solutions for outdoor perimeter detection projects with specific needs.

They work particularly well for highly demanding and critical infrastructure sites. Our turnkey analytics solutions integrate easily with a number of ecosystem partners in various ways - through ARC, VMS, PSIM, and Access Control.

## KEY BENEFITS

- Performance Analysis: Comprehensive detection and very low false alarm rate in any type of environment.

- Push video: Automatic transfer of alarm and video sequence to the monitoring station, for quick and easy alarm acknowledgment.

- Large choice of solutions for all types of projects: server, Edge, boxed... customizable for outdoor detection projects.

- End-to-end project support: Pre-sales, expert advice, site visits, commitment to feasibility and results.

One example of this is a case where Foxstream and Hikvision are deployed together to protect three large petrochemical storage tank sites in Belgium. Each site is equipped with four bi-spectrum 25 mm Hikvision DS-2TD-2836 cameras and a FoxVigi Intrusion Detection video analysis software. This technology provides an efficient and immediate event detection system with video confirmation and very low false alarms to the monitoring station.



# KEY FEATURES

- Advanced Configuration: Multi-zone function, with different sensitivity levels. The system also takes the shape of the land into account.

- Long Distance Detection: Analytics for high-resolution thermal images, with vibration compensation to detect distant objects.

- Management by Analytics Rules: Combining different analysis (line crossing, zone detection, movement direction…).

# About Us

**Hikvision**

At Hikvision we believe that close collaboration with our ecosystem of partners is needed to further accelerate innovation and development in the security industry, while also securing maximum value creation for clients.

We work in close technical partnership with hundreds of best of breed manufacturers of hardware and software systems in the security, building automation and IoT industries. Our Technology Partner Program ensures that our clients can use Hikvision technologies knowing that we provide vendors with the tools to obtain comprehensive integration and compatibility with all our products.

**Foxstream**

Foxstream has experts in real-time Video Content Analysis (VCA) with more than 15 years of expertise. We supply reliable outdoor detection solutions using Deep Learning (AI) that detect all types of perimeter intrusions while eliminating most false alarms.

Once an intruder is detected, an alarm is automatically pushed to the monitoring station, attached with the video clip of the alarm and the origin of the alarm highlighted in red.

Our complete range of solutions integrates well with Hikvision cameras either using our server based solution or Hikvision edge cameras (HEOP).

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